

### **Abstract**

A scheduling system for choosing the most appropriate heuristic for solving time-dependant scheduling problems. The invention includes a means for selecting the most appropriate heuristic method for generating a schedule from an enumerative  
5 ("brute force") method, a dynamic programming method, and a genetic method. The invention further includes a hashing function that is capable of detecting duplicate solutions generated by the dynamic programming module and a height-balanced binary tree for providing search insertion and deletion operations.